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(71) Applicant (for all designated States except US):
CHEMOMETEC A/S [DK/DK]; Gydevang 43, DK-3450
Allerød (DK).

(72) Inventors; and

(75) Inventors/Applicants (for US only): LARSEN, Rasmus,
Dines [DK/DK]; Yrsavej 10, 1tv., DK-2000 Frederiksberg
(DK). HANSEN, Frans, Ejner, Ravn [DK/DK]; Svan-
holmsvej 1, 3th, DK-1905 Frederiksberg (DK).

(74) Agent: HØIBERG A/S; St. Kongensgade 59A, DK-1264
Copenhagen K (DK).

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(54) Title: A METHOD FOR ASSESSMENT OF PARTICLES

(57) Abstract: The invention relates to imaging methods for assessing quality or quantity parameters of particles in a sample, wherein the particles contain less than 10^6 analyte detectable positions. The method comprises 1) mixing the sample with a targeting species capable of binding an analyte position and a labelling agent, 2) arranging the sample in an exposing domain, allowing electromagnetic signals from the sample to pass to the exterior, 3) exposing a representation of said signals onto an array of detection elements, wherein the representation is subject to a linear enlargement, so that the ratio of the image of a linear dimension on the array of detection elements to the original linear dimension in the exposing domain is smaller than 20:1, 4) detecting the representation as intensities by said detection elements, 5) processing the intensities to identify the particles, and 6) obtaining the quality or quantity parameter.

WO 2004/040314 A1